

HAZARD MITIGATION RISK ANALYST

RESOURCE CATEGORY	Mitigation
RESOURCE KIND	Personnel
OVERALL FUNCTION	The Hazard Mitigation (HM) Risk Analyst provides factual bases for activities proposed in the strategy portion of a hazard mitigation plan and uses Geographic Information Systems (GIS) and GIS maps to highlight risks
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. This position can be ordered as a single resource or in conjunction with a NIMS typed team (Hazard Mitigation Operations Team/Hazard Mitigation Planning Team). 2. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
DESCRIPTION	The Type 1 HM Risk Analyst prepares risk analytics and facilitates risk assessment processes for all of a community's mitigation efforts: Hazard Mitigation planning, post-disaster Hazard Mitigation Grant Program (HMGP) Subgrant project application development, Hazard Mitigation Assistance Subgrant applications, and Robert T. Stafford Disaster Relief and Emergency Assistance Act Section 406 mitigation project applications. Supports loss avoidance studies and explains relevance of hazard risks to building codes and building performance. Translates technical data for both technical and non-technical audiences and produces maps and technical reports on hazard/risk assessments.	The Type 2 Hazard Mitigation (HM) Risk Analyst provides support to jurisdictions with technical assistance and risk analysis guidance for HM Plan development/update and Hazard Mitigation Assistance (HMA) Grants and supports HM Planning Team or HM Operational Team activities by analyzing risk and vulnerability, providing technical assistance for Benefit-Cost Analyses (BCA), and Loss Avoidance studies. Assists stakeholders in defining Geographic Information Systems (GIS) products for risk analysis and produces maps based on hazard/risk assessments.	The HM Risk Analyst can assist with basic risk analysis technical assistance and guidance for local HM Plan development/update with regard to GIS, and Hazard Mitigation Assistance (HMA) Grants. Also, produces GIS maps, as directed, to illustrate hazard risk.	Not Specified
EDUCATION	Not Specified	Not Specified	Not Specified	Not Specified

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COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
TRAINING	Same as Type 2, PLUS: 1. E0207: Introduction to Hazard Mitigation Field Operations 2. E0167: Hazard Mitigation: Hazard Performance Analysis Specialist Qualifying Course	Same as Type 3, PLUS: 1. FEMA GIS and Advanced Mapping Tutorial Series 2. E0170: Hazus Multi-Hazard for Hurricane 3. E0172: Hazus Multi Hazard for Flood 4. E0174: Hazus Multi Hazard for Earthquake 5. E0176: Hazus Multi Hazard for Flood Plain Managers 6. E0296: Application of Hazus Multi Hazard for Risk Assessment 7. Esri: Introduction to the HAZUS-MH 2.0 Storm Surge Model	1. IS-100: Introduction to Incident Command System, ICS-100 2. IS-200: Basic Incident Command System for Initial Response, ICS-200 3. ICS-300: Intermediate ICS for Expanding Incidents 4. IS-103: Geospatial Information Systems Specialist 5. IS-700: National Incident Management System (NIMS), An Introduction 6. IS-704: NIMS Communications and Information Management 7. IS-800: National Response Framework, An Introduction 8. IS-922: Applications of GIS for Emergency Managers 9. E0179: Application of Hazus Multi Hazard for Disaster Operations 10. E0190: ArcGIS for Emergency Managers 11. E0313: Basic Hazus Multi-Hazard Training on GIS software to include: 1. Basics of Geo Databases 2. Editing and Managing Geo Databases 3. Understanding GIS Queries 4. Learning Visual Basics of Applications	Not Specified
EXPERIENCE	Same as Type 3, PLUS: 1. Working knowledge of local and/or tribal Hazard Mitigation Planning risk assessment mitigation strategy development requirements, HMA grants, and Robert T. Stafford Disaster Relief and Emergency Assistance Act Section 406 mitigation grants (42 USC 5172) 2. Ability to effectively explain risk analysis to non-technical audiences	Same as Type 3	Experience that demonstrates the ability to use GIS tools, modeling, and available datasets for risk analysis including but not limited to: 1. US Geological Survey Hazards Data Distribution System 2. Federal Geographic Data Committee Geospatial Platform (GeoPlatform) 3. FEMA Risk MAP	Not Specified
PHYSICAL/MEDICAL FITNESS	Same as Type 2	Same as Type 3	Arduous	The NIMS Guideline for the National Qualification System (NQS) defines Physical/Medical Fitness levels for NIMS positions.
CURRENCY	Not Specified	Not Specified	Not Specified	Not Specified



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COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	Not Specified	Not Specified	Not Specified	Not Specified



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NOTES

Nationally typed resources represent the minimum criteria for the associated category.

REFERENCES

1. FEMA, NIMS 509: Geographic Information Systems (GIS) Analyst
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, NIMS Guideline for the National Qualification System, November 2017
4. FEMA, The FEMA Qualifications System (FQS), FQS Guide: Appendix B: Incident Management Position Qualification Sheets, December 2012